

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 11 and 13, AMEND claims 1, 2, 5, 12 and 14 in accordance with the following:

1. (CURRENTLY AMENDED) A resource adjustment apparatus for adjusting ~~for each module~~ an amount of computer resources used in a system having a plurality of modules each comprising at least one application ~~programs~~program, comprising:

a storage device storing data representing a transition of a past transaction occurrence amount for each of the plurality of modules, wherein the transaction occurrence amount indicates an offered load and the transition of the past transaction occurrence amount represents a variation of measurement values of the past transaction occurrence amount over a period of time;

a generation device obtaining data representing ~~a~~the transition of ~~a~~the past transaction occurrence amount of a target module of the modules from the storage device and ~~using the transaction occurrence amount as a transaction processing amount in generating~~ a function that expresses a correlation between measurement values of a past transaction processing amount and measurement values of a corresponding past use resource amount of the target module, wherein the obtained data representing the transition of the past transaction occurrence amount is used as values of the past transaction processing amount in the function, thereby generating a transition of ~~a~~the past use resource amount from the transition of the transaction occurrence amount of the target module, the transition of the past use resource amount indicating a variation of the past use resource amount over a period of time; and

an allocation device using the generated transition of the past use resource amount as a transition of a predicted use resource amount and automatically fluctuating an allocation resource amount of the target module in accordance with the transition of the predicted use resource amount.

2. (CURRENTLY AMENDED) A computer-readable storage medium storing a program for a computer adjusting for ~~each module~~ an amount of computer resources used in a system having a plurality of modules each consisting of at least one application ~~programs~~program, wherein the program causes the computer to perform:

obtaining data representing a transition of a past transaction occurrence amount of a target module of the plurality of modules from a storage device storing data representing ~~a the~~ transition of ~~a the~~ past transaction occurrence amount for each of a plurality of the modules; ~~wherein the transaction occurrence amount indicates an offered load and the transition of the past transaction occurrence amount represents a variation of measurement values of the past transaction occurrence amount over a period of time;~~

generating a transition of a past use resource amount from the transition of the past transaction occurrence amount of the target module by ~~using the transaction occurrence amount as a transaction processing amount in~~ generating a function that ~~show~~expresses a correlation between measurement values of a past transaction processing amount and measurement values of a past use resource amount of the target module; and using the obtained data representing the transition of the past transaction occurrence amount as values of the past transaction processing amount in the function, the transition of the past use resource amount indicating a variation of the past use resource amount over a period of time; and

using the generated transition of the past use resource amount as a transition of a predicted use resource amount and automatically fluctuating an allocation resource amount of the target module in accordance with the transition of the predicted use resource amount.

3. (ORIGINAL) The storage medium according to claim 2, wherein the program causes a computer to perform:

generating a transition of a predicted transaction occurrence amount in each of several types of cycles using the data that represents the transition of the transaction occurrence amount of the target module, displaying the generated transition on a screen and combining the transitions of the transaction occurrence amounts in respective cycles in accordance with an instruction from an operator, thereby generating a transition of a predicted transaction occurrence amount;

applying said function to the transition of the predicted transaction occurrence amount;
and

generating a transition of the use resource amount.

4. (ORIGINAL) The storage medium according to claim 3, wherein the program causes the computer to perform:

- generating transitions of a mean value and a maximum value of transaction occurrence amounts regarding at least two modules in each of the several types of cycles in the system;
- displaying the generated transitions on a screen;
- combining transitions of transaction occurrence amounts in respective cycles using a value selected by the operator; and
- generating a transition of the predicted transaction occurrence amount.

5.(CURRENTLY AMENDED) The storage medium according to claim 2, wherein the program causes the computer to perform:

- displaying the generated transition of the past use resource amount on a screen; and
- when an operator changes the displayed transition of the past use resource amount, using the changed transition of the past use resource amount as the transition of the predicted use resource amount.

6. (ORIGINAL) The storage medium according to claim 2, wherein the program causes the computer to perform:

- obtaining data that -represents a transition of a most-recent transaction occurrence amount of the target module from the storage device;
- using a transition of a use resource amount generated by the transition of the most-recent transaction occurrence amount as a transition of a immediately-after predicted use resource amount; and
- fluctuating an immediately-after allocation resource amount of the target module.

7. (ORIGINAL) The storage medium according to claim 2, wherein the program causes the computer to perform:

- preferentially allocating resources to the target module during a period since a use resource amount of the target module reaches a predetermined bottleneck detection threshold until a use resource amount of the target module reaches a bottleneck elimination threshold.

8. (ORIGINAL) The storage medium according to claim 2 wherein the program causes the computer to perform:

preferentially allocating resources to the target module during a period since a transaction occurrence amount of the target module reaches a predetermined bottleneck detection threshold until a transaction occurrence amount of the target module reaches a bottleneck elimination threshold.

9. (ORIGINAL) The storage medium according to claim 2, wherein the program causes the computer to perform:

instructing the target module to generate a child processing when a predicted use resource amount of the target module reaches a predetermined amount.

10. (ORIGINAL) The storage medium according to claim 2, wherein the program causes the computer to perform:

displaying a screen for capacity planning support including a transition of a use resource amount that is predicted for a long time.

11. (CANCELLED)

12. (CURRENTLY AMENDED) A resource adjusting method adjusting for each module an amount of computer resources used in a system having a plurality of modules each comprising at least one application program, comprising:

obtaining data representing a transition of a past transaction occurrence amount of a target module of the plurality of modules from a storage device storing data representing a the transition of a the past transaction occurrence amount for each of a plurality of the modules, wherein the transaction occurrence amount indicates an offered load and the transition of the past transaction occurrence amount represents a variation of measurement values of the past transaction occurrence amount over a period of time;

using the transaction occurrence amount as a transaction processing amount in generating a transition of a past use resource amount from the transition of the past transaction occurrence amount of the target module by generating a function that expresses a correlation between measurement values of a past transaction processing amount and measurement values of a past use resource amount of the target module and using the obtained data representing the transition of the past transaction occurrence amount as values of the past transaction processing amount in the function, the transition of the past use resource amount

~~indicating a variation of the past use resource amount over a period of time, thereby generating a transition of the use resource amount from the transition of the transaction occurrence amount of the target module; and~~

using the generated transition of the past use resource amount as a transition of a predicted use resource and automatically fluctuating an allocation resource amount of the target module in accordance with the transition of the predicted use resource amount.

13. (CANCELLED)

14. (CURRENTLY AMENDED) A resource adjustment apparatus for adjusting ~~for each module~~ an amount of computer resources used in a system having a plurality of modules each comprising at least one application programs, comprising:

a storage means for storing data representing a transition of a past transaction occurrence amount for each of the plurality of modules; wherein the transaction occurrence amount indicates an offered load and the transition of the past transaction occurrence amount represents a variation of measurement values of the past transaction occurrence amount over a period of time;

a generation means for obtaining data ~~representing a~~ the transition of ~~a~~ the past transaction occurrence amount of a target module from the storage device and ~~using the transaction occurrence amount as a transaction processing amount in a~~ generating a function that expresses a correlation between measurement values of a past transaction processing amount and measurement values of a corresponding past use resource amount of the target module, wherein the obtained data representing the transition of the past transaction occurrence amount is used as values of the past transaction processing amount in the function, thereby generating a transition of a the past use resource amount from the transition of the transaction occurrence amount of the target module, the transition of the past use resource amount indicating a variation of the past use resource amount over a period of time; and

an allocation means for using the generated transition of the past use resource amount as a transition of a predicted use resource amount and automatically fluctuating an allocation resource amount of the target module in accordance with the transition of the predicted use resource amount.